



K22P 3338

Reg. No. :

Name :

**IV Semester M.Sc. Degree (CBSS – Reg./Supple./Imp.) Examination, April 2022
(2018 Admission Onwards)**

ZOOLOGY

ZOO 4E02(B) : Insect Physiology

Time : 3 Hours

Max. Marks : 60

I. Answer **any two** of the following :

(2×12=24)

- 1) Explain the structure of male and female reproductive system in insects.
- 2) Describe the physiology of excretion in insects.
- 3) Explain the structure and modification of respiratory system in insects.
- 4) Explain in role of hormones in metamorphosis.

II. Answer **any two** of the following :

(2×8=16)

- 5) Describe the fertilization and oviposition in insects.
- 6) Explain the control of heart beat in insects.
- 7) Give an account of different hormones and their function.
- 8) Write a note on organogenesis in insects.

III. Answer **any four** of the following :

(4×5=20)

- 9) Give an account of microflora and fauna in insect digestion.
 - 10) Explain the function of labial glands in insects.
 - 11) Write a note on the role of slow and fast axons.
 - 12) Describe the formation of blastoderm.
 - 13) Briefly explain larval development in insects.
 - 14) Write a note on parthenogenesis.
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